

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| S1 | 461 | (219/121.54,121.56).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/14 13:21 |
| S2 | 1686 | (219/124.1,124.34,124.02,124.3). CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/25 14:23 |
| S3 | 508 | (228/8,12).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/14 13:21 |
| S4 | 1661 | S2 not S1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 11:09 |
| S5 | 495 | S3 not S1 not S2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 11:09 |
| S6 | 2617 | S1 or S2 or S3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 11:49 |
| S7 | 1170 | "stand off distance" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 11:49 |
| S8 | 1368 | "standoff distance" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 11:49 |

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| S9 | 2314 | S7 or S8 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 11:49 |
| S10 | 24 | S6 and S9 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 13:08 |
| S11 | 178 | (standoff or "stand off") near2 sensor | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 13:22 |
| S12 | 1530 | (219/124.1,124.34,124.02,124.3). CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/14 13:20 |
| S13 | 446 | (228/8,12).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/14 13:21 |
| S14 | 438 | (219/121.54,121.56).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/14 13:21 |
| S15 | 2381 | S12 or S13 or S14 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 13:21 |
| S16 | 92 | (standoff or "stand off") near2 detector | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 14:01 |
| S17 | 253 | S11 or S16 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 13:22 |

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| S18 | 2 | S17 and ferromagnetic | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 13:46 |
| S19 | 206 | (148/222).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/14 13:53 |
| S20 | 1363 | (324/207.15-207.17).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/14 13:27 |
| S21 | 366 | (324/207.26).CCLS. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/14 13:59 |
| S22 | 22220 | (sensor or detector) and ferromagnetic | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 13:47 |
| S23 | 9437 | S22 and distance | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 13:47 |
| S24 | 6 | S23 and S15 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 13:52 |
| S25 | 4 | ("3,484,687").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/14 13:52 |
| S26 | 1576 | S20 or S21 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 14:00 |

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| S27 | 23563 | standoff or "stand off" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 14:02 |
| S28 | 6 | S26 and S27 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 14:02 |
| S29 | 108614 | ferromagnetic or "ferro magnetic" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 14:10 |
| S30 | 337 | S29 and S26 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 14:10 |
| S31 | 16 | S30 and (torch or plasma or welding) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/14 14:10 |
| S32 | 34 | ("2867783" "2900612" "3268805" "3827291" "4015101" "4223300" "4298784" "4333052" "4438754").PN. OR ("4810966").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2005/01/14 14:16 |
| S33 | 17 | ("3340467" "3907136" "3930324").PN. OR ("4438754").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2005/01/14 14:21 |
| S34 | 20 | ("3217204" "3596050" "3809308").PN. OR ("4298784").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2005/01/14 14:27 |
| S35 | 108737 | ferromagnetic or "ferro magnetic" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/21 13:35 |

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| S36 | 1234 | "torch head" or torchhead | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/21 13:34 |
| S37 | 0 | (ferromagnetic or "ferro magnetic") near3 ("torch head" or torchhead) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/21 13:35 |
| S38 | 2 | (ferromagnetic or "ferro magnetic") same ("torch head" or torchhead) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/21 13:59 |
| S39 | 1226 | (ferromagnetic or "ferro magnetic") near4 electrode | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/21 14:00 |
| S40 | 1686 | (219/124.1,124.34,124.02,124.3). CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/21 14:00 |
| S41 | 0 | S39 and S40 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/21 14:00 |
| S42 | 15489 | steel near4 electrode | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/21 14:01 |
| S43 | 8 | S40 and S42 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/21 14:01 |

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| S44 | 1293 | (219/124.22,124.34).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/25 12:36 |
| S45 | 0 | "3371272" "3430134" "3484667" "3588660" "3833788" "3924095" "4015101" "4124792" "4125943" "4144992" "4192986" "4199674" "4205217" "4206391" "4215299" "4242620" "4303883" "4333052" "4390775" "4400610" "4441010" "4513195" "4570049" "4642447" "4665734" "4810966" "4830261" "4996408" "5463201" "5466910" GB1436348 JP1-271074 JP46-17568 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/24 16:31 |
| S46 | 39 | ((("2747152") or ("2921179") or ("2971079") or ("3021419") or ("3024354") or ("3141952") or ("3156856") or ("3171071") or ("3179786") or ("3201562") or ("3217204") or ("3268805") or ("3346807") or ("3359486"))).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/24 16:58 |
| S47 | 73 | ((("3371272") or ("3430134") or ("3484667") or ("3588660") or ("3833788") or ("3924095") or ("4015101") or ("4124792") or ("4125943") or ("4144992") or ("4192986") or ("4199674") or ("4205217") or ("4206391") or ("4215299") or ("4242620") or ("4303883") or ("4333052") or ("4390775") or ("4400610") or ("4441010") or ("4513195") or ("4570049") or ("4642447") or ("4665734") or ("4810966") or ("4830261") or ("4996408") or ("5463201") or ("5466910") or ("GB1436348") or ("JP1-271074") or ("JP46-17568"))).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/01/24 17:08 |
| S48 | 43 | "torch position" near2 sens\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/25 12:36 |
| S49 | 108800 | ferro adj magnetic or ferromagnetic | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/25 12:37 |

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|-----|---------|---------------------------|---|-----|----|------------------|
| S50 | 1484856 | magnetic or ferromagnetic | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/25 12:37 |
| S51 | 0 | S48 and S49 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/25 12:38 |
| S52 | 1 | S48 and S50 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/01/25 12:38 |